IN THE CLAIMS

1. (Original) A process for the oxidation of an olefin comprising three or more carbon atoms, wherein the process comprises:

reacting the olefin with oxygen to form a reaction mixture in the presence of a catalyst composition comprising:

silver; and,

a promoter comprising potassium and a promoter comprising rhenium deposited on an α-alumina carrier, wherein the potassium promoter provides potassium at a concentration of up to 120 μmole per gram of catalyst composition.

- 2. (Original) The process of claim 1, wherein the potassium promoter provides potassium at a concentration of from 12 μmole to 100 μmole per gram of catalyst composition and the rhenium promoter provides rhenium at a concentration of from 3 μmole to 20 μmole per gram of catalyst composition.
- 3. (Original) The process of claim 2, wherein the α -alumina carrier has a BET surface area of 0.1 m²/g to 25 m²/g, and an apparent porosity of from 0.1 ml/g to 1.2 ml/g.
- 4. (Original) The process of claim 1, wherein the α -alumina carrier comprises at least 60 %w α -alumina.
- 5. (Original) The process of claim 1, wherein the α -alumina carrier has a pore size distribution such that the pores with diameters in the range of from 0.2 μ m to 10 μ m comprise more than 75 % of the total pore volume; the pores with diameters greater than 10 μ m comprise less than 20 % of the total pore volume; and the pores with diameters less than 0.2 μ m comprise less than 10 % of the total pore volume.
- 6. (Original) The process of claim 1, wherein the α -alumina carrier has a water absorption of at least 0.35 ml/g and a surface area in the range of from 1.0 m²/g to 5 m²/g.
 - 7. (Original) The process of claim 1, wherein the α -alumina carrier is based on:
- (a) from 50 %w to 90 %w of a first particulate α -alumina having an average particle size of from more than 10 μ m up to 100 μ m; and,

- (b) from 10 %w to 50 %w of a second particulate α -alumina having an average particle size of from 1 μ m to 10 μ m; said %w being based on the total weight of α -alumina in the mixture.
 - 8. (Original) The process of claim 1, wherein the α -alumina carrier comprises:
- (a) from 65 %w to 75 %w, relative to the total weight of α-alumina in the mixture, of a first particulate α-alumina having an average particle size of from 11 μm to 60 μm;
- (b) from 25 %w to 35 %w, relative to the total weight of α -alumina in the mixture, of a second particulate α -alumina having an average particle size of from 2 μ m to 6 μ m;
- (c) from 2 %w to 5 %w of an alumina hydrate, calculated as aluminum oxide relative to the total weight of α -alumina in the mixture;
- (d) from 0.2 %w to 0.8 %w of an amorphous silica compound, calculated as silicium oxide relative to the total weight of α -alumina in the mixture; and,
- (e) from 0.05%w to 0.3 %w of an alkali metal compound, calculated as the alkali metal oxide relative to the total weight of α -alumina in the mixture.
- 9. (Original) The process of claim 1 wherein the reaction mixture further comprises an organic chloride promoter.
- 10. (Original) The process of claim 9 wherein the organic chloride is present at a concentration of at least 50 ppm by volume.
- 11. (Original) The process of claim 9, wherein the reaction mixture further comprises a NO_x promoter, wherein x is 1 or 2.
- 12. (Original) The process of claim 9, wherein the NO_x promoter is present at a concentration of at least 10 ppm by volume.
 - 13 18. Cancelled.

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